

Title (en)

A METHOD FOR PRODUCING A CYLINDER BLOCK FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

EIN VERFAHREN ZUR HERSTELLUNG EINES ZYLINDERBLOCKS FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE PRODUCTION D'UN BLOC-CYLINDRES POUR UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1253985 A1 20021106 (EN)**

Application

**EP 01906109 A 20010201**

Priority

- IT 0100048 W 20010201
- IT TO20000130 A 20000210

Abstract (en)

[origin: WO0158621A1] Method for making a cylinder block for internal combustion engine, in which at least one cylinder liner (10) is arranged inside a mould and aluminium-based material is cast into the mould and cooled, so that the cylinder liner (10) is incorporated in the cylinder block. The cylinder liner (10) is made of aluminium-based material and has protuberances destined to melt in contact with the molten material cast into the mould arranged on its external surface.

IPC 1-7

**B22D 19/00**; F02F 1/16; F16J 10/04

IPC 8 full level

**B22D 19/00** (2006.01); **F02F 1/10** (2006.01)

CPC (source: EP US)

**B22D 19/0009** (2013.01 - EP US); **B22D 19/0081** (2013.01 - EP US); **F02F 1/004** (2013.01 - EP US); **F02F 2007/009** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **Y10T 29/49231** (2015.01 - EP US); **Y10T 29/4927** (2015.01 - EP US); **Y10T 29/49272** (2015.01 - EP US)

Citation (search report)

See references of WO 0158621A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0158621 A1 20010816**; AT E244613 T1 20030715; CA 2397204 A1 20010816; CA 2397204 C 20080610; DE 60100457 D1 20030814; DE 60100457 T2 20040527; EP 1253985 A1 20021106; EP 1253985 B1 20030709; ES 2202276 T3 20040401; IT 1319899 B1 20031112; IT TO20000130 A1 20010810; US 20030000086 A1 20030102; US 6802121 B2 20041012

DOCDB simple family (application)

**IT 0100048 W 20010201**; AT 01906109 T 20010201; CA 2397204 A 20010201; DE 60100457 T 20010201; EP 01906109 A 20010201; ES 01906109 T 20010201; IT TO20000130 A 20000210; US 20341502 A 20020809